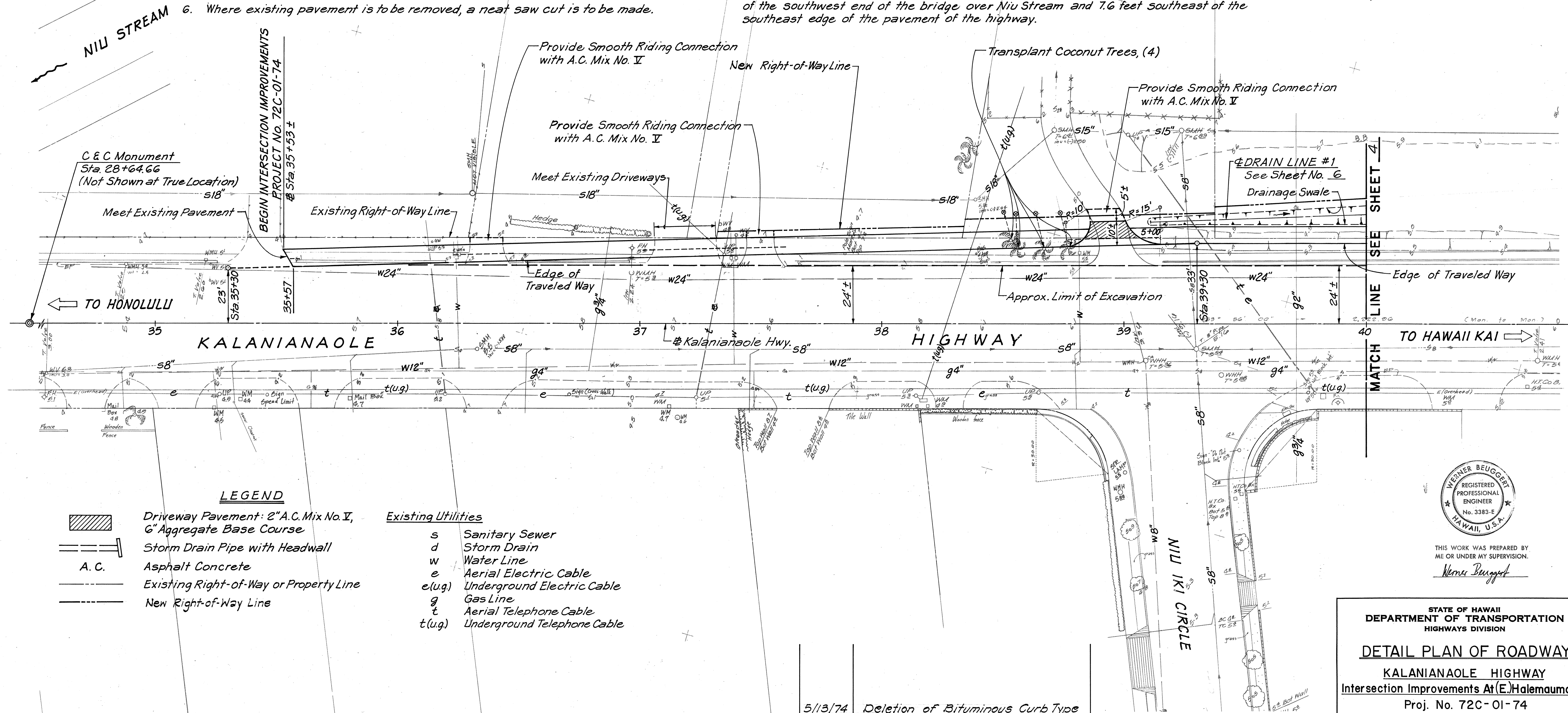
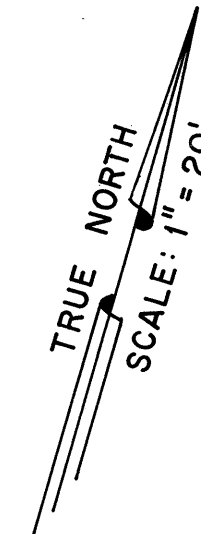


GENERAL NOTES

- Elevations are based on Mean Sea Level.
- The Contractor shall maintain driveway access to abutting properties at all times.
- All existing utilities shown are at approximate locations only. The Contractor shall verify the exact locations and depths of any utility lines that are within the limits of Construction before proceeding.
- The Contractor shall be responsible for any damages to the existing utility lines. This applies also to any utility lines not shown on the Plans. The Contractor shall pay for any damage incurred to the utility lines.
- The Contractor may temporarily remove driveway lights of Driveway @ Sta 41+02 to Sta 41+48 as necessary. The lights shall be reinstalled and shall be in working condition as early as possible. Removal, reinstallation and maintenance of driveway lights and conductors shall be incidental to various contract items. The Contractor shall pay for any damage incurred to the driveway lighting system.
- Where existing pavement is to be removed, a neat saw cut is to be made.

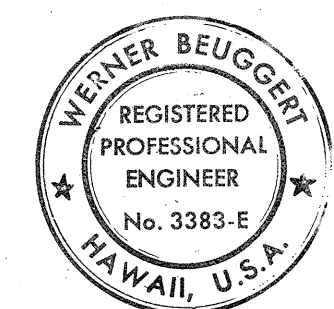
- Excavation and removal of existing culverts and demolishing of existing headwalls and inlet structures shall be incidental to the Contract Item No. 203.01 "Roadway Excavation".
- Connection of 24" culvert to existing manhole shall be incidental to Contract Item No. 603.1010.
- Exact location of transplanted trees to be determined by the Engineer.
- The Contractor shall thoroughly spray the compacted subgrade for the A.C. Sidewalk with a non-emergent weed killer before the bituminous material is placed. The application shall be in accordance with the manufacturer's recommendations. The cost of the weed killer and the application of the weed killer is to be incidental to the Contract Item No. 608.20 "Bituminous Sidewalk".
- Areas requiring Hydro-Mulch seeding, other than shown on plans, to be determined by the Engineer.
- Bench Mark 3-B(SS): Elevation = 5.200'. The Bench Mark is located 47.6 feet southwest of the southwest end of the bridge over Niu Stream and 7.6 feet southeast of the southeast edge of the pavement of the highway.

DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72C-01-74	1973	3	28



LEGEND

	Driveway Pavement: 2" A.C. Mix No. I, 6" Aggregate Base Course
	Storm Drain Pipe with Headwall
	A.C. Asphalt Concrete
	Existing Right-of-Way or Property Line
	New Right-of-Way Line
	Sanitary Sewer
	Storm Drain
	Water Line
	Aerial Electric Cable
	Underground Electric Cable
	Gas Line
	Aerial Telephone Cable
	Underground Telephone Cable



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Werner Beugger

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY

KALANIANA'OLE HIGHWAY
Intersection Improvements At (E.) Halemaumau St.
Proj. No. 72C-01-74

Scale: 1" = 20' Oct. 1973

SHEET No. 1 OF 3 SHEETS

ADD. 3

5/13/74 Deletion of Bituminous Curb Type 6 and 6" white pavement striping

DATE REVISION

ORIGINAL PLAN	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72C-01-74	1973	4	28

THE FOLLOWING ITEMS OF WORK ARE CONSIDERED INCIDENTAL TO THE VARIOUS CONTRACT ITEMS:

REMOVE EXISTING CULVERTS(24" RCP):

From Sta. 40+98±, 34' Left To Sta. 41+53±, 35' Left
From Sta. 42+50±, 32' Left To Sta. 42+87±, 32' Left
From Sta. 43+54±, 32' Left To Sta. 44+04±, 27' Left

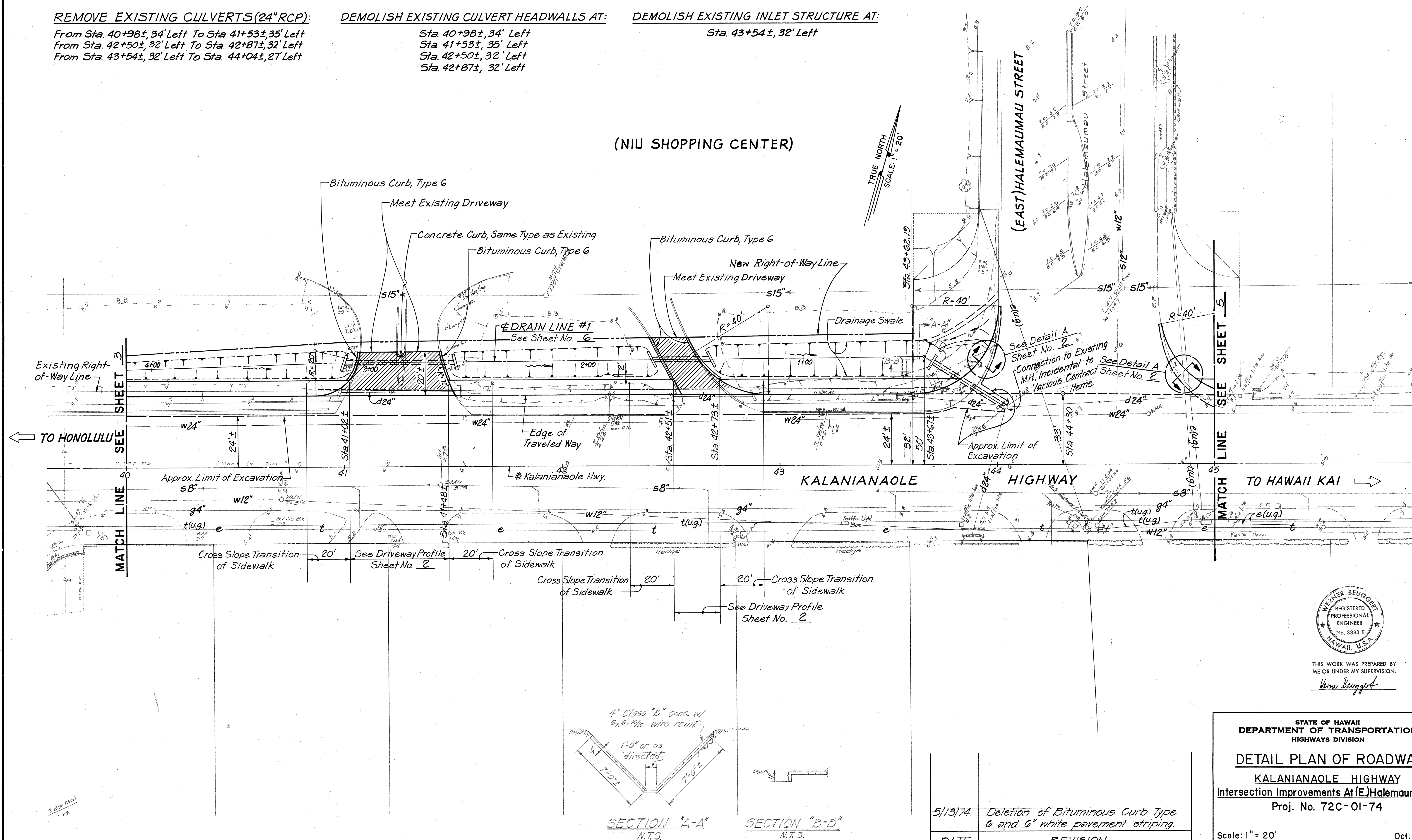
DEMOLISH EXISTING CULVERT HEADWALLS AT:

Sta. 40+98±, 34' Left
Sta. 41+53±, 35' Left
Sta. 42+50±, 32' Left
Sta. 42+87±, 32' Left

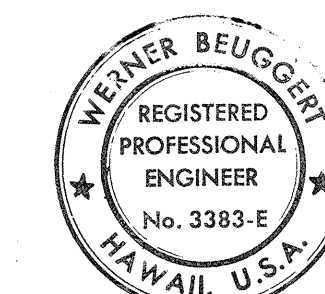
DEMOLISH EXISTING INLET STRUCTURE AT:

Sta. 43+54±, 32' Left

(NIU SHOPPING CENTER)



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	



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Werner Beugert

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAIL PLAN OF ROADWAY
KALANIANA'OLE HIGHWAY
Intersection Improvements At (E) Halemaumau St.
Proj. No. 72C-01-74

Scale: 1" = 20'

Oct. 1973

SHEET No. 2 OF 3 SHEETS

ADD. 4

5/13/74 Deletion of Bituminous Curb Type 6 and 6" white pavement striping.

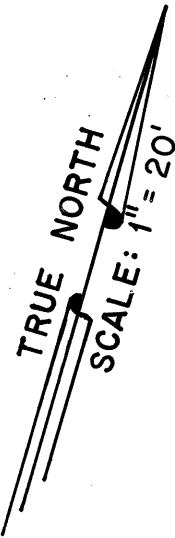
DATE REVISION

DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72C-01-74	1973	5	28

NOTE:

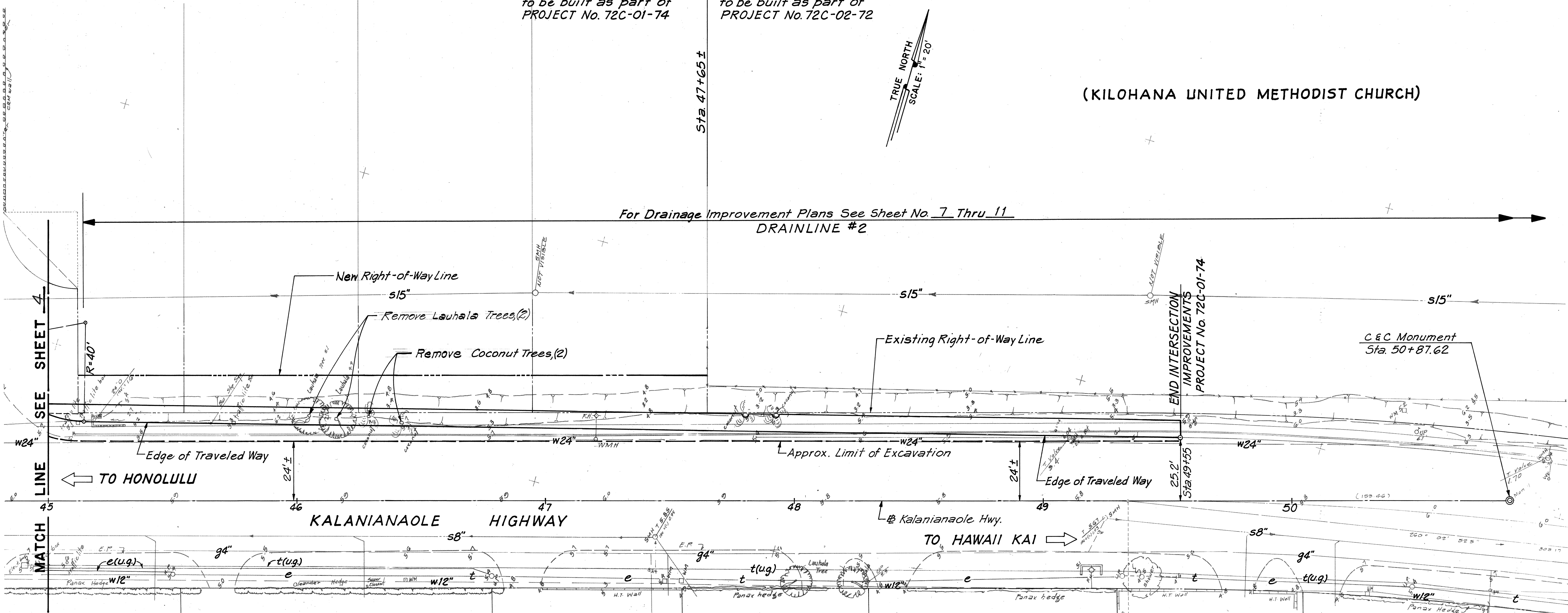
This Portion of DRAINLINE #2
to be built as part of
PROJECT No. 72C-01-74

This Portion of DRAINLINE #2
to be built as part of
PROJECT No. 72C-02-72



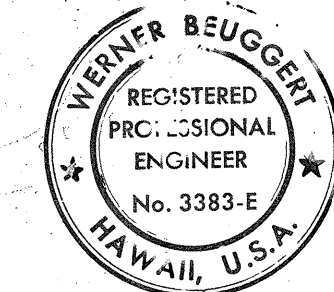
(KILOHANA UNITED METHODIST CHURCH)

For Drainage Improvement Plans See Sheet No. 7 Thru 11
DRAINLINE #2



ORIGINAL PLAN	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	

5/13/74	Deletion of Bituminous Curb Type G and G" white pavement striping.
DATE	REVISION



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ME OR UNDER MY SUPERVISION.

Werner Beuggett

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
DETAIL PLAN OF ROADWAY
KALANIANA'OLE HIGHWAY
Intersection Improvements At (E) Halemau mau St.
Proj. No. 72C-01-74

Scale: 1" = 20' Oct. 1973

SHEET No. 3 OF 3 SHEETS

ADD. 5